

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/04178

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : G01B 9/02, G06K 9/00

US CL : 382/128, 132, 173; 356/346

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 382/128, 173; 800/2; 356/346

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

IEEE Conferences, Journals and Standards; Journal of the American Academy of Dermatology

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Please See Extra Sheet.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

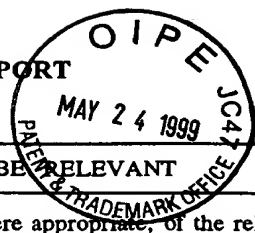
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,784,162 A (CABIB et al) 21 July 1998, col. 6, lines 1-3, cols. 7-12, col. 13, lines 1-15.	1, 2, 4, 6-14, 17-19, 23-33, 34 and 36
Y	US 5,799,100 A (CLARK et al) 25 August 1998, col. 4, lines 1-67, col. 5, lines 1-35	2, 6-14, 17-19, 23-34, and 36
Y	KOREN, I, Interactive Wavelet processing and Techniques Applied to Digital Mamography IEEE conference Proceedings, May 1996, Vol 3 ISBN 0-7803-3192-3, pages 1415-1418	1, 4, 6, 36
Y	AFROMOWITZ, M. A, Multispectral Imaging of Burn Wounds: A New Clinical Instrument for Evaluating Burn Depth IEEE Transaction on Biomedical Engineering 1988, Vol 35. No. 10, pages 842-850	9-12

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Group 2700☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
A document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
E earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*&* document member of the same patent family
O document referring to an oral disclosure, use, exhibition or other means	
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 15 APRIL 1999	Date of mailing of the international search report 27 APR 1999
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer MEHRDAD DASTOURI <i>Meherdad Dastouri</i> Telephone No. (703) 305-2438

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PCT/US99/04178

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	SCHINDERWOLF, T, Evaluation of Different Image Acquisition Techniques for a Computer Vision System in the Diagnosis of Malignant Melanoma Journal of the American Academy of Dermatology, July 1994, Vol 31, No. 1, Pages 33-41	13, 14, 17-19
Y	BOSTOCK, R.T.J, Toward a Neural Network Based System for Skin Cancer Diagnosis IEEE International Conference on Artificial Neural Network, 1993, ISBN 0-85296-573-7, pages 215-219	23, 24

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B. FIELDS SEARCHED

Electronic data bases consulted (Name of data base and where practicable terms used):

APS

skin, texture, melanoma, malignant, benign, burned skin, spectral band, wavelet maxima, rotationally and translationally invariant, segmentation mask, intensity centroid, asymmetry, dermal papillae